

AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraph beginning at page 1, line 6, as follows:

The present invention relates to a sewage treatment apparatus for effectively treating waste water discharged from collective housing such as mansions, hotels, restaurants, hospitals, housing complexes, food factories, and the like, in particular, sewage containing solid materials such as kitchen garbage, and the like that are ~~crushed with disposers~~ ground by a disposer and discharged.

Please amend the paragraph beginning at page 1, line 15, as follows:

Recently, kitchen garbage, and the like generated in the mansions, and so on as described above are ~~crushed with disposers~~ ground by a disposer and discharged together with waste water. Thus, the amount of sludge generated tends to increase, and a problem arises in a method of treating the sludge.

Please amend the paragraph beginning at page 2, line 21, as follows:

The treatment system arranged as described above yet has the following problem. Since the solid contents contained in all the sludge containing sewage in the storage tank 03 is separated from liquid contents using the dehydrator 05, the solid contents are generated in a large amount. Thus, a long time is necessary to make the solid contents ~~to the~~ into compost in the fermenting tank 06 as well as it is time-consuming to handle and post treat the compost, and a recycling cost is also expensive. Further, since the discharge water the solid contents of which are separated from the liquid contents and which contains the oil contents, is supplied to the oil-water separation tank or the public sewer, a large load is applied thereon. Further, since the dehydrator 05, the fermenting tank 06, and the oil-water separation tank 08 are independently

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installed, respectively, the size of a treatment apparatus is increased as a whole, and a large installation space is required.

Please amend the paragraph beginning at page 9, line 7, as follows:

A water spray pipe 25 is disposed in the decomposing treatment tank 11 at a portion near to the upper side thereof so as to face in a right and left direction. Water is sprayed in a shower state from the plurality of outlet holes 26 defined through the lower end of the water spray pipe 25.

~~Water is sprayed in a shower state from the plurality of ejection holes 26 defined through the lower end of the water spray pipe 25.~~

Please amend the paragraph beginning at page 9, line 18, as follows:

That is, water is stored in the aeration tank 12 and bubbled by the air supplied from the blow-out holes 28, and the bubbles ~~are flown~~ flow into the decomposing treatment tank 11 through the air holes 16 of the bottom plate 15 so as to supply air (oxygen) into the decomposing treatment tank 11.

Please amend the paragraph beginning at page 11, line 2, as follows:

A known endless rotationally traveling type solid-liquid separation device 33 as disclosed in, for example, Japanese patent No. 2719869 is disposed in a sewage tank 32 installed in the solid-liquid separation tank 14 ~~in a tilt state~~ at an angle. ~~Further.~~ Further, a drain pipe 40 is disposed in the solid-liquid separation tank 14 to discharge the sewage into the oil-water separation tank 13 and the public sewage treatment facility 9.

Please amend the paragraph beginning at page 11, line 9, as follows:

The solid-liquid separation device 33 is composed a conveyer belt 35, which is trained around a pair of rollers 34 ~~and 34~~ rotatably supported at the upper and lower portions of a conveyer frame (not shown), and a comb-shaped sieve plate 36, which is secured to the conveyer frame so as to cover the upper surface of the conveyer belt 35. The comb-shaped sieve plate 36 is composed of a multiplicity of round rods or squire rods disposed longitudinally at ~~minute~~ small intervals in a width direction. A multiplicity of transportation projections 37, which are slidably engaged between the respective rods of the comb-shaped sieve plate 36 and project upward, are disposed on the surface of the conveyer belt 35 at predetermined intervals.

Please amend the paragraph beginning at page 14, line 17, as follows:

The oil contents contained in the sewage, which ~~has flown~~ flow into the oil-water separation tank 13, are removed while the sewage overflows the respective partition walls 29 and flows leftward, and then discharged into the public sewage treatment facility 9 from the discharge pipe 8.

Please amend the paragraph beginning at page 14, line 22, as follows:

As described above, in the sewage treatment apparatus of the embodiment, sewage containing solid contents, which have been ~~crushed with~~ ground by a disposer, is directly fed into the sewage tank 32 of the solid-liquid separation tank 14 by the pump 6, the solid contents in the sewage are collected by the solid-liquid separation device 33 installed in the sewage treatment tank 32, and the solid contents 38 are charged into the decomposing treatment tank 11 and decomposed into water and CO₂. Accordingly, compost and the like, which are conventionally generated, are not almost generated, and thereby a cost required in post treatment and recycle can be greatly reduced.

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Please amend the paragraph beginning on page 15, line 21 as follows:

Reference Numerals

- 1—collective housing
- 2—disposer
- 3—sewage pipe
- 4—collective sewage pipe
- 5—water tank
- 6—pump
- 7—sewage treatment apparatus
- 8—discharge pipe
- 9—sewage treatment facility
- 10—river
- 11—decomposing treatment tank
- 12—aeration tank
- 13—oil-water separation tank
- 14—solid-liquid separation tank
- 15—bottom plate
- 16—air hole
- 17—stirring device
- 18—rotating shaft
- 19—stirring rod
- 20—stirring blade

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- 21—pulley
- 22—belt
- 23—geared motor
- 24—drive pulley
- 25—water spray pipe (water spray means)
- 26—ejection hole
- 27—air supply pipe
- 28—blow-out hole
- 29—partition wall
- 30—passing-through hole
- 31—exhaust pipe
- 32—sewage tank
- 33—solid-liquid separation device
- 34—roller
- 35—conveyer belt
- 36—comb-shaped sieve plate
- 37—transportation projection
- 38—solid content
- 39—step section
- 40—discharge pipe

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